



Data of 27 Cases of Congenital Portosystemic Shunt in Dogs from 2015 to 2023

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Abstract:

Congenital portosystemic shunts (PSS) present a significant challenge in veterinary medicine, requiring comprehensive analysis for effective diagnosis and management. This repository offers an extensive overview of 27 cases of congenital PSS in dogs, spanning the period from 2015 to 2023. The data are shown in **Table 1**.

Keywords: Portosystemic shunts, dogs, clinical signs, types of PSS, laboratory results

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Table 1. Data on dogs with Congenital Portosystemic Shunt from 2015 to 2023

No	Breed	Age Months	Weight kg	Gender	CT results	Epilepsy	Neurologic Signs	Apatic	Diarrhoea	Vomiting	PU/PD	Nephrolithiasis	Salivation	Anemia	RBC, HCT	↑bile acids Before s.	↑bile acids post surg.	↑ALT before	↑ALT post surg.	↑WBC before s.	↑BUN before s.	↓BUN post surg.	Total protein before s.	Total protein post surg.	ALB before s.	ALB post surg.	↑PT	↑APTT	Glucos	Voluven	Blood transfusion			
1	Pug	5	3.9	♀	spleno-caval, microhepatia,	Yes	Yes	Yes	NO	NO	NO	NO	NO	Yes	Yes	NO-5 mts	/	NO	NO-5 mts	Yes	NO	NO-5 mts	NO	NO-5 mts	Yes	NO-5 mts	NO	NO	NO	NO	Yes	Yes	NO	
2	X	55	4.1	♀	L gastric, microhepatia, renal cyst	NO	Yes	Yes	NO	Yes	NO	Yes	NO	NO	NO	Yes	/	NO	NO	NO	Yes	NO	NO	NO	NO	NO	NO	NO	NO	NO	Yes	Yes	NO	
3	Pug	10	4.7	♂	R gastro-caval type, R gastric- L gastric prehepatic CVC, micro	NO	Yes	Yes	NO	Yes	NO	Yes	NO	Yes	Yes	Yes-1,5 mts; NO-1Y	/	NO	NO	Yes	Yes	NO	NO	NO-1,5 mts	Yes	Yes-1,5mt	NO	NO	NO	NO	Yes	Yes	Yes	
4	X	4	6.4	♀	azygos continuation of caudal vena cava, ectopic spleens	NO	NO	Yes	NO	NO	NO	NO	NO	NO	NO	Yes	Yes-7mts	/	NO	Yes-7 mts	Yes	Yes	NO	NO	NO-7 mts	NO	NO-7 mts	Yes	Yes	NO	Yes	NO		
5	X	20	10.8	♀	intrahepatic PSS, microhepatia	NO	Yes	Yes	NO	NO	NO	Yes	Yes	NO	Yes	Yes-9mts	/	Yes	Yes-9 mts	Yes	Yes	Yes-3mts	Yes	NO	Yes	Yes-3 mts	Yes	NO	NO	NO	NO	NO		
6	Shih-Tzu	42	3.8	♀	L gastric to caval shunt	NO	NO	NO	Yes	Yes	NO	NO	NO	NO	Yes	NO-10 days	/	Yes	NO	Yes	NO	/	NO	/	NO	/	NO	/	NO	NO	Yes	Yes	NO	
7	X	6	4.8	♀	R gastro-caval type, microhepatia	NO	Yes	Yes	NO	Yes	NO	NO	NO	NO	Yes	NO-3 mts, Yes-	Yes	NO	NO-3 mts	Yes	NO	NO-10 da	Yes	NO-1 mts	Yes	NO-1 mts	Yes	Yes	NO	Yes	NO	NO		
8	Maltese	12	2.25	♂	gastroduodenal/R gastric caval, microhepatia, urinary/renal	NO	/	Yes	Yes	Yes	NO	Yes	NO	NO	Yes	Yes-9mts	/	Yes	NO-1 and 9 mts	Yes	Yes	NO-9 mts	Yes	NO-1 mts	Yes	NO-1 mts	NO	Yes	Yes	Yes	Yes	NO		
9	CKCS	30	4.8	♀	R gastric type, microhepatia	NO	Yes	Yes	NO	Yes	NO	NO	NO	NO	Yes	/	/	Yes	Yes-4 mts	NO	Yes	NO-4 mts	NO	/	NO	NO-4 mts	NO	NO	NO-2 wee	NO	Yes	Yes	NO	
10	Yorkshire	64	2.7	♂	gastrosplenic azygos, microhepatia	NO	Yes	Yes	NO	Yes	NO	Yes	NO	NO	Yes	/	/	Yes	Yes-2 weeks	NO	NO	/	NO	/	NO	NO-2 wee	NO	Yes	Yes	Yes	Yes	NO		
11	CHD	7	/	♂	gastro-caval, microhepatia	/	Yes	/	/	/	/	Yes	/	NO	Yes	/	/	Yes	/	/	Yes	/	Yes	/	Yes	/	/	/	/	/	/	/		
12	Yorkshire	20	1.8	♀	porto-left gastric azygos type, microhepatia	NO	Yes	Yes	NO	NO	Yes	NO	NO	NO	Yes	/	/	Yes	NO	NO	Yes	/	NO	/	NO	/	NO	/	NO	NO	Yes	Yes	NO	
13	Pomeranian	35	1.45	♀	no portal vein, porto-caval, microhepatia	/	/	/	/	/	/	Yes	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
14	Jack Russe	33	8.9	♀	gastro-splenic-azygos	NO	NO	Yes	Yes	NO	NO	Yes	NO	NO	Yes	/	/	Yes	NO-2 mts	NO	NO	NO-2 mts	NO	NO-14 days	NO	NO-2 mts	NO	NO	NO	NO	NO	Yes	NO	
15	Shih-Tzu	15	8.2	♀	gastro-duodenal-caval, nephrolithiasis bilateral	NO	NO	NO	NO	NO	Yes	Yes	NO	NO	Yes	Yes-2,5 mts	/	NO	NO-2,5 mts	Yes	Yes	NO-2,5 mt	NO	NO-2,5 mts	NO	NO-2,5 mt	NO	NO	NO	NO	NO	NO		
16	BC	41	20.3	♀	L gastric to caval shunt, microhepatia, bilateral nephromegaly	NO	NO	Yes	NO	Yes	NO	NO	NO	NO	Yes	/	/	Yes	YES-1 mts, NO-2 m	Yes	Yes	/	Yes	NO-2 mts	Yes	NO-2 mts	NO	NO	NO	NO	NO	NO		
17	X	63	4.4	♀	R gastro-caval type, microhepatia, lack of formation of gastri	NO	NO	Yes	NO	Yes	NO	Yes	NO	NO	Yes	Yes-1 mts	/	Yes	NO-1 mts	NO	Yes	/	NO	/	NO-1 mts	NO	NO-1 mts	Yes	NO	NO	NO	NO		
18	Maltese	100	8.5	♀	spleno-gastro-phrenic type, microhepatia	NO	Yes	Yes	NO	NO	Yes	NO	NO	NO	Yes	Yes-12 mts	/	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Yes	NO	
19	WHWT	4	3.3	♀	spleno-caval, microhepatia,	NO	NO	Yes	Yes	Yes	NO	Yes	NO	NO	/	NO-4 and 8mts	Yes	Yes	NO	Yes	Yes	NO	NO	NO-1 mts	NO	NO	NO	NO	NO	NO	NO	NO		
20	Yorkshire	4	1.7	♀	/	NO	Yes	NO	Yes	NO	NO	NO	NO	Yes	Yes	/	Yes	NO	NO-10 days	Yes	NO	/	Yes	Yes-10 days	Yes	Yes-10 da	Yes	Yes	NO	Yes	NO	Yes	NO	
21	MS	23	7	♀	double-loop right gastric-caval single	Yes	/	/	Yes	/	/	/	/	NO	/	/	/	/	/	NO	Yes	/	NO	/	NO	/	NO	/	NO	NO	NO	NO		
22	Yorkshire	5	1.9	♀	R gastro-caval type, microhepatia	Yes	Yes	NO	NO	NO	NO	NO	NO	NO	Yes	Yes-4 mts	Yes	NO	NO-14 days	Yes	Yes	/	Yes	NO-4 mts	NO	NO	Yes	NO	NO	Yes	NO	Yes	NO	
23	Jack Russe	7	4.9	♀	spleno-caval, microhepatia, portal vein hypoplasia	NO	NO	Yes	NO	Yes	Yes	NO	NO	NO	Yes	Yes-1 and 3mts	Yes	Yes	NO-1 and 3 mts	Yes	Yes	/	Yes	NO-3 mts	NO	NO-3 mts	NO	NO-3 mts	NO	NO	NO	Yes	NO	
24	MS	9	6.6	♀	/	/	/	/	/	/	/	Yes	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	Yes	Yes	NO
25	X	6	7.22	♀	porto-caval	NO	NO	Yes	NO	Yes	NO	NO	NO	Yes	/	Yes-5 and 6 mts	Yes	NO	NO-1 mts	Yes	NO	/	Yes	Yes-1 mts	Yes	NO-1 mts	Yes	Yes	NO	Yes	NO	Yes	NO	
26	Yorkshire	9	2	♀	porto-caval	NO	Yes	Yes	NO	Yes	Yes	Yes	NO	Yes	Yes	Yes-4 mts	Yes	Yes	/	Yes	Yes	/	Yes	NO-2 mts	Yes	NO-mts	Yes	Yes	NO	Yes	NO	Yes	Yes	
27	GR	6	12.6	♀	intrahepatic, central, microhepatia	NO	NO	Yes	NO	Yes	NO	NO	NO	Yes	Yes	Yes-3 mts	/	NO	Yes-4,5 mts	Yes	Yes	Yes-3 mts	Yes	NO-3 mts	Yes	NO-3 mts	NO	Yes	/	/	/	/		
						9/24	13/23	19/23	6/24	14/23	7/23	13/26	2/23	6/25	22/22	12/16	8/8	13/25	6/20	16/24	17/25	2/13	11/25	2/18	11/25	3/21	8/24	15/24	9/25	20/25	2/25			

X: mixed breed, CKCS: Cavalier King Charles Spaniel, CHD: Chihuahua, WHWT: West highland white terrier, BC: Bearded collie, MS: Miniature Schnautzer, GR: Golden Retriever, L: left, R: right